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Uploading C:\Program Files\Stnexp\Queries\10590104-species.str

L22        STRUCTURE UPLOADED

FILE 'REGISTRY' ENTERED AT 17:00:00 ON 31 JAN 2008

L22        STRUCTURE UPLOADED

L23            1 S L22 SAM SUB=L5

L24            25 S L22 SSS FULL SUB=L5

FILE 'CAPLUS' ENTERED AT 17:00:52 ON 31 JAN 2008

L25            25 S L24

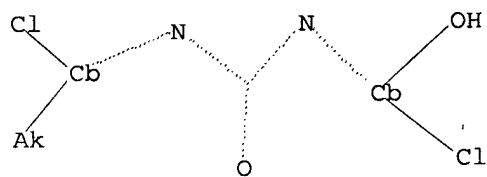
L26            24 S L25 NOT L7

FILE 'REGISTRY' ENTERED AT 17:01:13 ON 31 JAN 2008

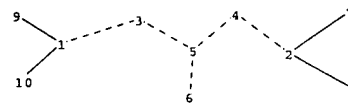
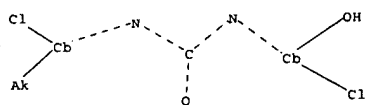
=> d 122

L22 HAS NO ANSWERS

L22            STR



Structure attributes must be viewed using STN Express query preparation.



chain nodes :

1 2 3 4 5 6 7 8 9 10

chain bonds :

1-3 1-9 1-10 2-4 2-7 2-8 3-5 4-5 5-6

exact/norm bonds :

1-3 1-10 2-4 2-7 2-8 3-5 4-5 5-6

exact bonds :

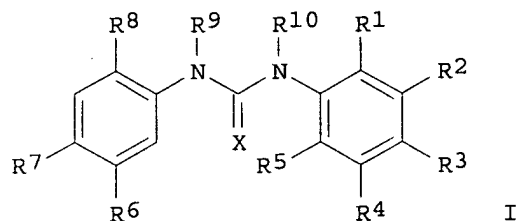
1-9

Match level :

1:Atom 2:Atom 3:CLASS 4:CLASS 5:CLASS 6:CLASS 7:CLASS 8:CLASS 9:CLASS 10:CLASS

L7 ANSWER 1 OF 2 CAPLUS COPYRIGHT 2008 ACS on STN  
 AN 2005:1075764 CAPLUS  
 DN 143:367091  
 TI Preparation of novel ureas as nicotinic acetylcholine receptor modulators  
 IN Dahl, Bjarne H.; Peters, Dan; Olsen, Gunnar M.; Jorgensen, Tino Dyhring;  
 Timmermann, Daniel B.  
 PA Neurosearch A/S, Den.  
 SO PCT Int. Appl., 36 pp.  
 CODEN: PIXXD2  
 DT Patent  
 LA English  
 FAN.CNT 1

	PATENT NO.	KIND	DATE	APPLICATION NO.	DATE
PI	WO 2005092843	A1	20051006	WO 2005-EP51183	20050316
	W: AE, AG, AL, AM, AT, AU, AZ, BA, BB, BG, BR, BW, BY, BZ, CA, CH, CN, CO, CR, CU, CZ, DE, DK, DM, DZ, EC, EE, EG, ES, FI, GB, GD, GE, GH, GM, HR, HU, ID, IL, IN, IS, JP, KE, KG, KP, KR, KZ, LC, LK, LR, LS, LT, LU, LV, MA, MD, MG, MK, MN, MW, MX, MZ, NA, NI, NO, NZ, OM, PG, PH, PL, PT, RO, RU, SC, SD, SE, SG, SK, SL, SM, SY, TJ, TM, TN, TR, TT, TZ, UA, UG, US, UZ, VC, VN, YU, ZA, ZM, ZW				
	RW: BW, GH, GM, KE, LS, MW, MZ, NA, SD, SL, SZ, TZ, UG, ZM, ZW, AM, AZ, BY, KG, KZ, MD, RU, TJ, TM, AT, BE, BG, CH, CY, CZ, DE, DK, EE, ES, FI, FR, GB, GR, HU, IE, IS, IT, LT, LU, MC, NL, PL, PT, RO, SE, SI, SK, TR, BF, BJ, CF, CG, CI, CM, GA, GN, GQ, GW, ML, MR, NE, SN, TD, TG				
	AU 2005225559	A1	20051006	AU 2005-225559	20050316
	CA 2561639	A1	20051006	CA 2005-2561639	20050316
	EP 1732883	A1	20061220	EP 2005-717055	20050316
	R: AT, BE, BG, CH, CY, CZ, DE, DK, EE, ES, FI, FR, GB, GR, HU, IE, IS, IT, LI, LT, LU, MC, NL, PL, PT, RO, SE, SI, SK, TR				
	CN 1926098	A	20070307	CN 2005-80006364	20050316
	BR 2005007296	A	20070703	BR 2005-7296	20050316
	JP 2007530635	T	20071101	JP 2007-505537	20050316
	US 2007142450	A1	20070621	US 2006-590104	20060822 <--
	MX 2006PA09672	A	20061116	MX 2006-PA9672	20060824
	IN 2006CN03570	A	20070622	IN 2006-CN3570	20060927
PRAI	DK 2004-498	A	20040329		
	US 2004-557698P	P	20040331		
	WO 2005-EP51183	W	20050316		
OS	CASREACT 143:367091; MARPAT 143:367091				
GI					

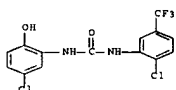


AB The title compds. I [X = O, S, NR (R = H, alkyl, cycloalkyl, etc.); R1 = H, alkyl, OH, etc.; R2, R3 = H, OH, halo, etc.; R4 = H, alkyl, OH, etc.; R5-R7 = H, OH, halo, etc.; R8 = H, OH, halo, etc.; R9, R10 = H, alkyl, cycloalkyl, cycloalkyl-alkyl] which are found to be modulators of the nicotinic acetylcholine receptors, and therefore may be useful for the treatment of diseases or disorders as diverse as those related to the cholinergic system of the central nervous system (CNS), the peripheral nervous system (PNS), diseases or disorders related to smooth muscle

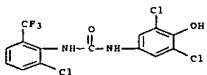
contraction, endocrine diseases or disorders, diseases or disorders related to neuro-degeneration, diseases or disorders related to inflammation, pain, and withdrawal symptoms caused by the termination of abuse of chemical substances, were prepared. Thus, reacting 2-chloro-5-trifluoromethylphenyl isocyanate with 5-chloro-2-hydroxyaniline in toluene afforded 91% I [R1 = OH; R2, R3, R5, R7, R9, R10 = H; R4, R8 = Cl; R6 = CF3] which reversed the learning impairment at 30 mg/kg when tested in rat. The pharmaceutical composition comprising the compound I is disclosed.

RE.CNT 10      THERE ARE 10 CITED REFERENCES AVAILABLE FOR THIS RECORD  
ALL CITATIONS AVAILABLE IN THE RE FORMAT

L26 ANSWER 1 OF 24 CAPLUS COPYRIGHT 2008 ACS ON STN  
 AN 2007:1122306 CAPLUS [Full-text](#)  
 DN 148:888  
 TI An allosteric modulator of the  $\alpha 7$  nicotinic acetylcholine receptor possessing cognition-enhancing properties in vivo  
 AU Timmermann, Daniel B.; Groenli, Jens Halvard; Kohlhaas, Kathy L.; Nielsen, Elsebet Oe.; Dam, Eva; Joergensen, Tino D.; Ahring, Philip K.; Peters, Dan; Holst, Dorte; Christensen, Jeppe K.; Malysz, John; Briggs, Clark A.; Gopalakrishnan, Murali; Olsen, Gunnar M.  
 CS NeuroSearch A/S, Ballerup, Den.  
 SO Journal of Pharmacology and Experimental Therapeutics (2007), 323(1), 294-307  
 CODEN: JPETAB; ISSN: 0022-3565  
 PB American Society for Pharmacology and Experimental Therapeutics  
 DT Journal  
 LA English  
 AB Augmentation of nicotinic  $\alpha 7$  receptor function is considered to be a potential therapeutic strategy aimed at ameliorating cognitive and mnemonic dysfunction in relation to debilitating pathol. conditions, such as Alzheimer's disease and schizophrenia. In the present report, a novel pos. allosteric modulator of the  $\alpha 7$  nicotinic acetylcholine receptor (nAChR), 1-(5-chloro-2-hydroxyphenyl)-3-(2-chloro-5-trifluoromethyl-phenyl)-urea (NS 1738), is described. NS 1738 was unable to displace or affect radioligand binding to the agonist binding site of nicotinic receptors, and it was devoid of effect when applied alone in electrophysiol. paradigms. However, when applied in the presence of acetylcholine (ACh), NS 1738 produced a marked increase in the current flowing through  $\alpha 7$  nAChRs, as determined in both oocyte electrophysiol. and patch-clamp recordings from mammalian cells. NS 1738 acted by increasing the peak amplitude of ACh-evoked currents at all concns.; thus, it increased the maximal efficacy of ACh. Oocyte expts. indicated an increase in ACh potency as well. NS 1738 had only marginal effects on the desensitization kinetics of  $\alpha 7$  nAChRs, as determined from patch-clamp studies of both transfected cells and cultured hippocampal neurons. NS 1738 was modestly brain-penetrant, and it was demonstrated to counteract a (-)-scopolamine-induced deficit in acquisition of a water-maze learning task in rats. Moreover, NS 1738 improved performance in the rat social recognition test to the same extent as (-)-nicotine, demonstrating that NS 1738 is capable of producing cognitive enhancement in vivo. These data support the notion that  $\alpha 7$  nAChR allosteric modulation may constitute a novel pharmacol. principle for the treatment of cognitive dysfunction.  
 IT 501684-93-1, NS 1738  
 RL: DMA (Drug mechanism of action); PAC (Pharmacological activity); THU (Therapeutic use); BIOL (Biological study); USES (Uses)  
 (NS 1738 as allosteric modulator of  $\alpha 7$  nicotinic acetylcholine receptor possessing cognition-enhancing properties in vivo)  
 RN 501684-93-1 CAPLUS  
 CN Urea, N-(5-chloro-2-hydroxyphenyl)-N'-[2-chloro-5-(trifluoromethyl)phenyl]- (CA INDEX NAME)



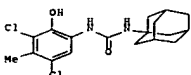
10590104 3 of 27  
 hydroxyphenyl)- (CA INDEX NAME)



RE.CNT 7 THERE ARE 7 CITED REFERENCES AVAILABLE FOR THIS RECORD  
 ALL CITATIONS AVAILABLE IN THE RE FORMAT

L26 ANSWER 3 OF 24 CAPLUS COPYRIGHT 2008 ACS ON STN  
 AN 2004:266876 CAPLUS [Full-text](#)  
 DN 140:287180  
 TI Preparation of arylamines, arylamides and arylureas as inhibitors of undesired cell proliferation  
 IN Knolle, Jochen; Schutkowski, Mike; Hummel, Gerd  
 PA Jerini Ag, Germany  
 SO Eur. Pat. Appl., 126 pp.  
 CODEN: EPXDXW  
 DT Patent  
 LA English  
 FAN.CNT 1  

PATENT NO.	KIND	DATE	APPLICATION NO.	DATE
EP 1402887	A1	20040331	EP 2002-20922	20020918
R: AT, BE, CH, DE, DK, ES, FR, GB, GR, IT, LI, LU, NL, SE, MC, PT, IE, SI, LT, LV, FI, RO, MK, CY, AL, TR, BG, CZ, EE, SK				
WO 2004030664	A2	20040415	WO 2003-EP10415	20030918
WO 2004030664	A3	20040812		
W: AE, AG, AL, AM, AT, AU, AZ, BA, BB, BG, BR, BY, BZ, CA, CH, CN, CO, CR, CU, CZ, DE, DK, DM, DZ, EC, EE, ES, FI, GB, GD, GE, GH, GM, HR, HU, ID, IL, IN, IS, JP, KE, KP, KR, KZ, LC, LK, LR, LS, LT, LU, LV, MA, MD, MG, MK, MN, MW, MX, MY, NZ, OM, PG, PH, PL, PT, RO, RU, SC, SD, SE, SG, SK, SL, SV, TJ, TM, TN, TR, TT, TZ, UA, UG, US, UZ, VC, VN, YU, ZA, ZM, ZW				
RW: GH, GM, KE, LS, MM, MZ, SD, SL, SZ, TZ, UG, ZM, ZW, AM, AZ, BY, KG, KZ, MD, RU, TJ, TM, AT, BE, BG, CH, CY, CZ, DE, DK, EE, ES, FI, FR, GB, GR, HU, IE, IT, LU, MC, NL, PT, RO, SE, SI, SK, TR, BF, BJ, CF, CG, CI, CM, GA, GN, GQ, GW, ML, MR, NE, SN, TD, TG				
AU 2003277871	A1	20040423	AU 2003-277871	20030918
PRAI EP 2002-20922	A	20020918		
WO 2003-EP10415	W	20030918		
OS MARPAT 140:287180				
GI				



RE.CNT 40 THERE ARE 40 CITED REFERENCES AVAILABLE FOR THIS RECORD  
 ALL CITATIONS AVAILABLE IN THE RE FORMAT

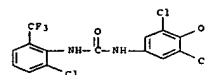
L26 ANSWER 2 OF 24 CAPLUS COPYRIGHT 2008 ACS ON STN  
 AN 2004:266877 CAPLUS [Full-text](#)  
 DN 140:287181  
 TI Preparation of substituted carbocyclic compounds as rotamases inhibitors  
 IN Knolle, Jochen; Schutkowski, Mike; Hummel, Gerd  
 PA Jerini Ag, Germany  
 SO Eur. Pat. Appl., 141 pp.  
 CODEN: EPXDXW  
 DT Patent  
 LA English  
 FAN.CNT 1  

PATENT NO.	KIND	DATE	APPLICATION NO.	DATE
EP 1402888	A1	20040331	EP 2002-20987	20020918
R: AT, BE, CH, DE, DK, ES, FR, GB, GR, IT, LI, LU, NL, SE, MC, PT, IE, SI, LT, LV, FI, RO, MK, CY, AL, TR, BG, CZ, EE, SK				
CA 2498662	A1	20040401	CA 2003-2498662	20030918
WO 2004026815	A2	20040401	WO 2003-EP10406	20030918
WO 2004026815	A3	20041202		
W: AE, AG, AL, AM, AT, AU, AZ, BA, BB, BG, BR, BY, BZ, CA, CH, CN, CO, CR, CU, CZ, DE, DK, DM, DZ, EC, EE, ES, FI, GB, GD, GE, GH, GM, HR, HU, ID, IL, IN, IS, JP, KE, KP, KR, KZ, LC, LK, LR, LS, LT, LU, LV, MA, MD, MG, MK, MN, MW, MX, MY, NZ, OM, PG, PH, PL, PT, RO, RU, SC, SD, SE, SG, SK, SL, SJ, TJ, TM, TN, TR, TT, TZ, UA, UG, US, UZ, VC, VN, YU, ZA, ZM, ZW				
RW: GH, GM, KE, LS, MM, MZ, SD, SL, SZ, TZ, UG, ZM, ZW, AM, AZ, BY, KG, KZ, MD, RU, TJ, TM, AT, BE, BG, CH, CY, CZ, DE, DK, EE, ES, FI, FR, GB, GR, HU, IE, IT, LU, MC, NL, PT, RO, SE, SI, SK, TR, BF, BJ, CF, CG, CI, CM, GA, GN, GQ, GW, ML, MR, NE, SN, TD, TG				
AU 2003271619	A1	20040408	AU 2003-271619	20030918
EP 1539683	A2	20050615	EP 2003-753427	20030918
R: AT, BE, CH, DE, DK, ES, FR, GB, GR, IT, LI, LU, NL, SE, MC, PT, IE, SI, LT, LV, FI, RO, MK, CY, AL, TR, BG, CZ, EE, HU, SK				
BR 2003014544	A	20050916	BR 2003-14544	20030918
CN 1701061	A	20051123	CN 2003-825265	20030918
JP 2005539072	T	20051222	JP 2004-537125	20030918
ZA 2005001913	A	20050606	ZA 2005-1913	20050307
IN 2005DN01019	A	20071123	IN 2005-DN01019	20050316
US 2007054904	A1	20070308	US 2005-528139	20050708
PRAI EP 2002-20987	A	20020918		
WO 2003-EP10406	W	20030918		
OS MARPAT 140:287181				

AB Rotamase inhibitors A-X-Y [A = (un)substituted cycloalkyl, heterocyclyl, aryl, heteroaryl; X = spacer; Y = (un)substituted alkyl, cycloalkyl, cycloalkenyl, heterocyclyl, aryl, heteroaryl] were prepared. Thus, 6-amino-2,4-dichloro-3-methylphenol-HCl was treated with 1-adamantyl isocyanate to give the urea which inhibited human rotamase hPin1 in the 1-10  $\mu$ M range.  
 IT 675851-50-0  
 RL: PAC (Pharmacological activity); SPN (Synthetic preparation); THU (Therapeutic use); BIOL (Biological study); PREP (Preparation); USES (Uses)  
 (preparation of substituted carbocyclic compds. as rotamases inhibitors)  
 RN 675851-50-0 CAPLUS  
 CN Urea, N-[2-chloro-6-(trifluoromethyl)phenyl]-N'-(3,5-dichloro-4-

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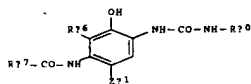
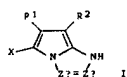
AB Title compds. A-X-Y [A = cycloalkyl, heterocyclyl, aryl, etc.; X = [(CRab)NRCCONR' (CRab)m]p, etc; n, m = 0-10 provided that if n = 0, m is not 0; p = 0-10; R = C, R' = H, alkyl, cycloalkyl, etc.; Y = alkyl, cycloalkyl, etc.; I] are prepared. For instance, 6-amino-2,4-dichloro-3-methylphenol-HCl is reacted with 1-adamantyl isocyanate (DMSO) to give II. Selected examples of I exhibited cytotoxicity in selected cell lines. I are useful for the treatment of disease that involves abnormal cell proliferation, an undesired cell proliferation, an abnormal mitosis and/or an undesired mitosis.  
 IT 675851-50-0, N-(2-chloro-6-(trifluoromethyl)phenyl)-N'-(3,5-dichloro-4-hydroxyphenyl)urea  
 RL: PAC (Pharmacological activity); SPN (Synthetic preparation); THU (Therapeutic use); BIOL (Biological study); PREP (Preparation); USES (Uses)  
 (preparation of arylamines, arylamides and arylureas as inhibitors of undesired cell proliferation)  
 RN 675851-50-0 CAPLUS  
 CN Urea, N-(2-chloro-6-(trifluoromethyl)phenyl)-N'-(3,5-dichloro-4-hydroxyphenyl)- (CA INDEX NAME)



RE.CNT 6 THERE ARE 6 CITED REFERENCES AVAILABLE FOR THIS RECORD  
 ALL CITATIONS AVAILABLE IN THE RE FORMAT

L26 ANSWER 4 OF 24 CAPLUS COPYRIGHT 2008 ACS ON STN  
 AN 2003:272153 CAPLUS [Full-text](#)  
 DN 138:311465  
 TI Silver halide color photographic material showing excellent color reproduction, cyan coloring, and processing stability  
 IN Seto, Monuo; Deguchi, Yasuaki; Shimada, Yasuhiro  
 PA Fujii Photo Film Co., Ltd., Japan  
 SO Jpn. Kokai Tokkyo Koho, 63 pp.  
 CODEN: JKKXAF  
 DT Patent  
 LA Japanese  
 FAN.CNT 1  

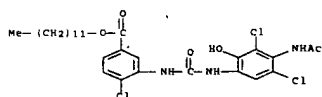
PATENT NO.	KIND	DATE	APPLICATION NO.	DATE
JP 2003107643	A	20030409	JP 2001-298455	20010927
PRAI JP 2001-298455		20010927		
OS MARPAT 138:311465				
GI				



AB The title color photog. material contains a pyrrolotriazole type cyan coupler(s) represented by I (Za, Zb = -C(R3)), -N; R1, R2 = electron withdrawing group with Hammett  $\sigma$ -value of 20.20; R3 = H, substituent; X = H, group capable of cleaving upon coupling reaction with oxidized color developer) and a phenol type cyan coupler(s) represented by II (Rb0 = aliphatic, aromatic; Rb6 = halo, aliphatic, aliphatic oxy; Rb7 = aliphatic, aromatic, aliphatic amino, aromatic amino, aliphatic oxy, aromatic oxy; Zb1 = H, group capable of cleaving upon coupling reaction with oxidized color developer).

IT 507483-14-9 CAPLUS  
RL: DEV (Device component use); USES (Uses)  
(phenol cyan coupler; color photog. material containing pyrrolotriazole cyan coupler and phenol cyan coupler for achieving excellent color reproduction, cyan coloring, and processing stability)

RN 507483-14-9 CAPLUS  
CN Benzoic acid, 3-[[[4-(acetylamino)-3,5-dichloro-2-hydroxyphenyl]amino]carbonyl]amino]-4-chloro-, dodecyl ester (CA INDEX NAME)



L26 ANSWER 5 OF 24 CAPLUS COPYRIGHT 2008 ACS on STN

AN 2003:272152 CAPLUS Full-text

DN 138:311464

TI Silver halide color photographic material showing excellent color reproduction, cyan coloring, and processing stability

IN Seto, Nobuo; Nakamine, Takeshi; Deguchi, Yasuaki

PA Fuji Photo Film Co., Ltd., Japan

SO Jpn. Kokai Tokkyo Koho, 64 pp.

CODEN: JKKXAF

DT Patent

LA Japanese

FAN. CNT 1

PATENT NO.	KIND	DATE	APPLICATION NO.	DATE
PI JP 2003107642	A	20030409	JP 2001-298009	20010927
PRAI JP 2001-298009		20010927		

L26 ANSWER 6 OF 24 CAPLUS COPYRIGHT 2008 ACS on STN

AN 2003:259891 CAPLUS Full-text

DN 138:262632

TI Silver halide color photographic film providing images with excellent hue and high light fastness

IN Nakamine, Takeshi; Seto, Nobuo; Deguchi, Yasuaki

PA Fuji Photo Film Co., Ltd., Japan

SO Jpn. Kokai Tokkyo Koho, 64 pp.

CODEN: JKKXAF

DT Patent

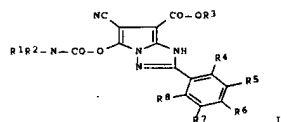
LA Japanese

FAN. CNT 1

PATENT NO.	KIND	DATE	APPLICATION NO.	DATE
PI JP 2003098643	A	20030404	JP 2001-293522	20010926
PRAI JP 2001-293522		20010926		

OS MARPAT 138:262632

GI



AB The photog. film comprises a layer containing a pyrrolotriazole cyan coupler I (R1,2 = (cyclo)alkyl, aryl, heterocycle; R1 and R2 may form a 5- or 6-membered nitrogen-containing heterocycle; R3 = (cyclo)alkyl, alkenyl; R5 = alkyl, aryl; R4, R6 = H, substituent; at least one selected from R4 and R6 is a substituent; there are no rings formed from two adjacent groups selected from R4, R6, and a phenolic coupler, on a support.

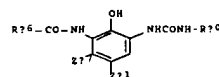
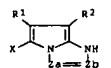
IT 496046-52-7 CAPLUS  
RL: RCT (Reactant); RACT (Reactant or reagent)  
(in preparation of pyrrolotriazole cyan coupler for silver halide color photog. film)

RN 507428-56-3 CAPLUS

CN Benzoic acid, 4-chloro-3-[[[3,5-dichloro-4-ethyl-2-hydroxyphenyl]amino]carbonyl]amino]-, dodecyl ester (CA INDEX NAME)

OS MARPAT 138:311464

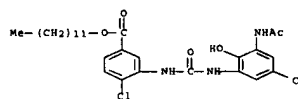
GI



AB The title color photog. material contains a pyrrolotriazole type cyan coupler(s) represented by I (Za, Zb = -C(R3)), -N; R1, R2 = electron withdrawing group with Hammett  $\sigma$ -value of 20.20; R3 = H, substituent; X = H, group capable of cleaving upon coupling reaction with oxidized color developer) and a phenol type cyan coupler(s) represented by II (Rb0 = aliphatic, aromatic; Rb6 = aliphatic, aromatic, aliphatic amino, aromatic amino, aliphatic oxy, aromatic oxy; Rb7 = H, substituent; Zb1 = H, group capable of cleaving upon coupling reaction with oxidized color developer) in a cyan color forming Ag halide emulsion layer.

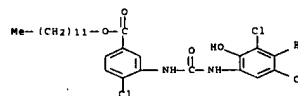
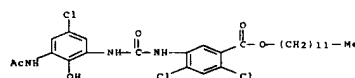
IT 508232-65-3 CAPLUS  
RL: DEV (Device component use); USES (Uses)  
(phenol cyan coupler; color photog. material containing pyrrolotriazole cyan coupler and phenol cyan coupler to achieve excellent color reproduction, cyan coloring, and processing stability)

RN 508232-65-3 CAPLUS  
CN Benzoic acid, 3-[[[3-(acetylamino)-5-chloro-2-hydroxyphenyl]amino]carbonyl]amino]-4-chloro-, dodecyl ester (CA INDEX NAME)



RN 508232-84-6 CAPLUS

CN Benzoic acid, 5-[[[3-(acetylamino)-5-chloro-2-hydroxyphenyl]amino]carbonyl]amino]-2,4-dichloro-, dodecyl ester (CA INDEX NAME)



L26 ANSWER 7 OF 24 CAPLUS COPYRIGHT 2008 ACS on STN

AN 2003:111374 CAPLUS Full-text

DN 138:161015

TI Silver halide color photographic material providing images with good color reproducibility

IN Seto, Nobuo; Deguchi, Yasuaki

PA Fuji Photo Film Co., Ltd., Japan

SO Jpn. Kokai Tokkyo Koho, 72 pp.

CODEN: JKKXAF

DT Patent

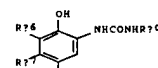
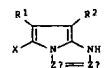
LA Japanese

FAN. CNT 1

PATENT NO.	KIND	DATE	APPLICATION NO.	DATE
PI JP 2003043646	A	20030213	JP 2001-226743	20010726
PRAI JP 2001-226743		20010726		

OS MARPAT 138:161015

GI

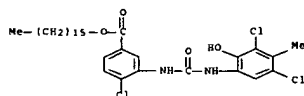


AB The photog. material comprises a pyrrolotriazole derivative I (Za = C(R3)) when Zb = H, or Za = N when Zb = C(R3); R1,2 = electron-withdrawing group with Hammett  $\sigma$  20.20, the sum of  $\sigma$  20.65; R3 = H, substituent; X = H, releasing group upon coupling reaction with aromatic primary amine developer; R1,3 and/or X may be of divalent group to form multimer or to bond with macromol. chain for forming homopolymer or copolymer) and a hydroxyphenylurea derivative II (Rb0 = aliphatic or aromatic group; Rb6 = H, halo, alkoxy; Rb7 = H, aliphatic group; Zb1 = H, releasing group upon coupling reaction with aromatic primary amine developer; Rb0, Rb6, Rb7 may be of divalent group to form multimer or to bond with macromol. chain for forming homopolymer or copolymer) in its cyan-coloring emulsion layer.

IT 496046-52-7 CAPLUS  
RL: TSM (Technical or engineered material use); USES (Uses)  
(cyan coupler; silver halide color photog. film containing pyrrolotriazole derivative and hydroxyphenylurea derivative as cyan couplers)

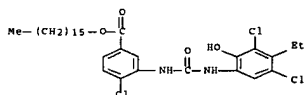
RN 496046-52-7 CAPLUS

CN Benzoic acid, 4-chloro-3-[[[3,5-dichloro-2-hydroxy-4-methylphenyl]amino]carbonyl]amino]-, hexadecyl ester (CA INDEX NAME)



RN 496046-53-8 CAPLUS

CN Benzoic acid, 4-chloro-3-[[[3,5-dichloro-4-ethyl-2-hydroxyphenyl]amino]carbonyl]amino]-, hexadecyl ester (CA INDEX NAME)



L26 ANSWER 8 OF 24 CAPLUS COPYRIGHT 2008 ACS on STN

AN 1993:222724 CAPLUS [Full-text](#)

DN 118:222724

TI Silver halide color photographic material suitable for rapid processing

IN Yokoyama, Shigeki; Tsukahara, Jiro

PA Fuji Photo Film Co., Ltd., Japan

SO Jpn. Kokai Tokkyo Koho, 39 pp.

CODEN: JKKXAF

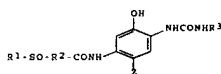
DT Patent

LA Japanese

FAN.CNT 1

PATENT NO.	KIND	DATE	APPLICATION NO.	DATE
PI JP 04019741	A	19920123	JP 1990-124451	19900515
PRAI JP 1990-124451		19900515		

GI



AB A Ag halide color photog. material having 21 Ag halide emulsion layer on a support contains a cyan coupler I [R1 = alkyl, cycloalkyl, alkenyl, alkenyl, aryl, alkoxy, aryloxy, alkylamino, dialkylamino, arylamino, diarylamino, N-alkyl, N-arylamino; R2 = alkylene; R3 = aryl; Z = H, moiety released during coupling reaction].

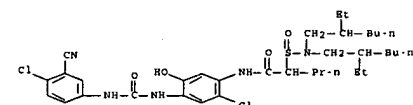
IT 142551-50-8

RL: USES (Uses)

(cyan coupler from, silver halide color photog. material containing)

RN 143991-50-8 CAPLUS

CN Pentanamide, 2-[[bis(2-ethylhexyl)amino]sulfonyl]-N-[2-chloro-4-[[[4-chloro-3-cyanophenyl]amino]carbonyl]amino]-5-hydroxyphenyl]- (CA INDEX NAME)



L26 ANSWER 9 OF 24 CAPLUS COPYRIGHT 2008 ACS on STN

AN 1992:540468 CAPLUS [Full-text](#)

DN 117:140468

TI Silver halide color photographic material

IN Tsukahara, Jiro; Yokoyama, Shigeki

PA Fuji Photo Film Co., Ltd., Japan

SO Jpn. Kokai Tokkyo Koho, 41 pp.

CODEN: JKKXAF

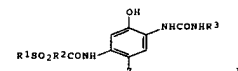
DT Patent

LA Japanese

FAN.CNT 2

PATENT NO.	KIND	DATE	APPLICATION NO.	DATE
PI JP 03284745	A	19911216	JP 1990-85620	19900330
US 2860411	B2	19990224		
US 5183729	A	19930202	US 1991-677252	19910329
PRAI JP 1990-153629	A	19900312		
JP 1990-85620	A	19900330		
JP 1991-31637	A	19910131		

GI



AB In the title Ag halide photog. material utilizing 21 Ag halide emulsion layers, the Ag halide used contains AgCl 290 mol % and the cyan coupler (I) [R1 = alkyl, cycloalkyl, alkenyl, alkynyl, acyl, alkoxy, acyloxy, alkylamino, dialkylamino, arylamino, diarylamino, N-alkyl-N-arylamino; R2 = alkylene; R3 = aryl; Z = H, group releasable on coupling] is used. Maximum color d. is high even on rapid processing and color mixing is suppressed.

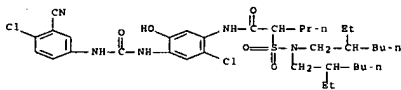
IT 133216-53-5

RL: TEM (Technical or engineered material use); USES (Uses)

(photog. cyan coupler)

RN 143316-88-5 CAPLUS

CN Pentanamide, 2-[[bis(2-ethylhexyl)amino]sulfonyl]-N-[2-chloro-4-[[[4-chloro-3-cyanophenyl]amino]carbonyl]amino]-5-hydroxyphenyl]- (CA INDEX NAME)



L26 ANSWER 10 OF 24 CAPLUS COPYRIGHT 2008 ACS on STN

AN 1991:618759 CAPLUS [Full-text](#)

DN 115:218759

TI Silver halide color photographic emulsion material containing

ureido-substituted phenol cyan coupler

IN Nakayama, Noritaka; Masukawa, Toyooki

PA Konica Co., Japan

SO Jpn. Kokai Tokkyo Koho, 10 pp.

CODEN: JKKXAF

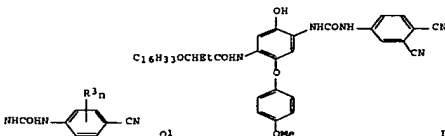
DT Patent

LA Japanese

FAN.CNT 1

PATENT NO.	KIND	DATE	APPLICATION NO.	DATE
PI JP 03080245	A	19910405	JP 1989-219175	19890824
PRAI JP 1989-219175		19890824		

GI



AB The title material contains a phenol cyan coupler, which is 2-substituted with a ureido group Q1 and 5-substituted with R1Q2SO2R2CONH [Q2 = NR4, O; R1 = (cyclo)alkyl, aryl, heterocycle; R2 = alkylene; R3 = substituent; n = 1-4; R4 = H, alkyl, aryl, heterocycle]. Thus, a solution of the title cyan coupler I in di-Bu phthalate and EtOAc containing alkyl naphthalenesulfonate and gelatin was mixed with a red-sensitive AgBr emulsion then coated onto a polyester support to give a photog. film, which gave fog-free printed image with coloring property.

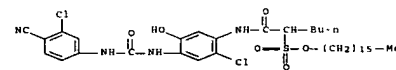
IT 136960-89-9

RL: USES (Uses)

(cyan coupler, for silver halide photog. emulsion, prevention of fog in)

RN 136960-89-9 CAPLUS

CN 2-Hexanesulfonic acid, 1-[[2-chloro-4-[[[3-chloro-4-cyanophenyl]amino]carbonyl]amino]-5-hydroxyphenyl]amino]-1-oxo-, hexadecyl ester (CA INDEX NAME)



L26 ANSWER 11 OF 24 CAPLUS COPYRIGHT 2008 ACS on STN

AN 1991:618758 CAPLUS [Full-text](#)

DN 115:218758

TI Silver halide color photographic emulsion material containing

ureido-substituted phenol cyan coupler

IN Nakayama, Noritaka; Masukawa, Toyooki

PA Konica Co., Japan

SO Jpn. Kokai Tokkyo Koho, 11 pp.

CODEN: JKKXAF

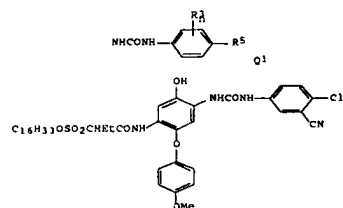
DT Patent

LA Japanese

FAN.CNT 1

PATENT NO.	KIND	DATE	APPLICATION NO.	DATE
PI JP 03080244	A	19910405	JP 1989-219170	19890824
PRAI JP 1989-219170		19890824		

GI

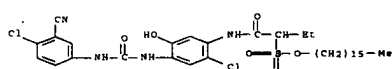


AB The title material contains a phenol cyan coupler, which is 2-substituted with a ureido group Q1 and 5-substituted with R1Q2SO2R2CONH (Q2 = NR4, O; R1 = (cyclo)alkyl, aryl, heterocycle; R2 = alkylene; R3 = H, substituent; n = 1-4; R4 = H, alkyl, aryl, heterocycle; R5 = H, substituent except CN). Thus, a solution of the title cyan coupler I in di-Bu phthalate and EtOAc containing alkyl naphthalenesulfonate and gelatin was mixed with a red-sensitive AgBr emulsion then coated onto a polyester support to give a photog. film, which gave fog-free printed image with coloring property.

IT 136925-21-0 CAPLUS  
RL: USES (Uses)  
(cyan coupler, for silver halide photog. emulsion, prevention of fog in)

RN 136925-21-0 CAPLUS

CN 2-Butanesulfonic acid, 1-[[[2-chloro-4-[[[(4-chloro-3-cyanophenyl)amino]carbonyl]amino]-5-hydroxyphenyl]amino]-1-oxo-, hexadecyl ester] (CA INDEX NAME)



L26 ANSWER 12 OF 24 CAPLUS COPYRIGHT 2008 ACS on STN

AN 1991:72255 CAPLUS [Full-text](#)

DN 114:72255

TI Silver halide photosensitive materials with excellent processing and storage stability

IN Shinba, Satoru; Kimura, Toshiniko; Ishii, Fumio

PA Konica Co., Japan

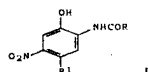
SO Eur. Pat. Appl., 40 pp.

CODEN: EPXXDM

DT Patent

LA English

FAN.CNT 1

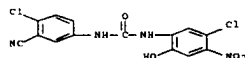


AB The photog. material contains, 21 nitrophenol derivs. I (R = alkyl, aryl, alkoxy, aryloxy, NP2R3; R1 = H, halo; R2, R3 = H, alkyl, aryl) in 21 of the light-insensitive layer(s) and/or the adjacent hydrophilic colloid layer(s). Thus, a high speed black-and-white film prepared using a Ag(Br,I) emulsion and I (R = Cl/F, R1 = F) showed excellent storage stability.

IT 103574-33-2  
RL: USES (Uses)  
(antifogging agent, in silver halide photog. materials)

RN 103574-33-2 CAPLUS

CN Urea, N-(4-chloro-3-cyanophenyl)-N'-(5-chloro-2-hydroxy-4-nitrophenyl)- (CA INDEX NAME)



L26 ANSWER 14 OF 24 CAPLUS COPYRIGHT 2008 ACS on STN

AN 1990:641394 CAPLUS [Full-text](#)

DN 113:241394

TI Silver halide color photographic material containing cyan dye-forming coupler

IN Kobayashi, Hidetoshi; Ishii, Yoshio

PA Fuji Photo Film Co., Ltd., Japan

SO Jpn. Kokai Tokkyo Koho, 31 pp.

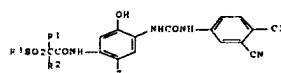
CODEN: JKXXAF

DT Patent

LA Japanese

FAN.CNT 1

PATENT NO.	KIND	DATE	APPLICATION NO.	DATE
P1 JP 02125252	A	19900514	JP 1988-278978	19881104
PRA1 JP 1988-278978		19881104		



PATENT NO.	KIND	DATE	APPLICATION NO.	DATE
PI EP 378898	A2	19900725	EP 1989-310655	19891017
EP 378898	A3	19901114		
EP 378898	B1	19951220		
R: DE, GB, IT, NL				
JP 02191947	A	19900727	JP 1989-266824	19891014
JP 2829872	B2	19981202		
US 5376514	A	19941227	US 1994-206898	19940304
PRA1 JP 1988-259584	A	19881017		
US 1989-419969	B1	19891011		
US 1991-794597	B1	19911114		
US 1992-917788	B1	19920720		

OS MARPAT 114:72255

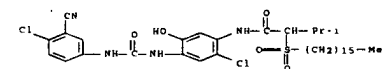
AB In the title material the Ag photosensitive Ag halide grains contained in all the Ag halide emulsion layers have an average AgI content ranging from 0 to 3 mol% and contain at least AgBr; and 21 of halide emulsion layers contain a diequival. phenolic cyan dye-forming coupler having a ureido group in a 2-position of a phenolic nucleus.

IT 130840-30-1

RL: TEM (Technical or engineered material use); USES (Uses)  
(photog. cyan coupler, for improved processing and storage stability)

RN 130840-30-1 CAPLUS

CN Butanamide, N-[2-chloro-4-[[[(4-chloro-3-cyanophenyl)amino]carbonyl]amino]-5-hydroxyphenyl]-2-(hexadecylsulfonyl)-3-methyl- (CA INDEX NAME)



L26 ANSWER 13 OF 24 CAPLUS COPYRIGHT 2008 ACS on STN

AN 1991:14844 CAPLUS [Full-text](#)

DN 114:14844

TI Silver halide photographic materials containing acylaminonitrophenol antifogging agents for high-temperature and -moisture storage stability

IN Hirabayashi, Shigeto; Kaneko, Yutaka

PA Konica Co., Japan

SO Jpn. Kokai Tokkyo Koho, 10 pp.

CODEN: JKXXAF

DT Patent

LA Japanese

FAN.CNT 1

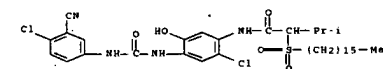
PATENT NO.	KIND	DATE	APPLICATION NO.	DATE
PI JP 02153346	A	19900613	JP 1988-308588	19881205
PRA1 JP 1988-308588		19881205		

AB The title color photog. material contains 21 cyan dye-forming coupler (I) [R1 = C1-22 alkyl, 3-8 membered cycloalkyl, C1-20 alkylcarbonyl or alkoxy carbonyl; R2 = R1, R3 = C1-24 alkyl, 3-8 membered cycloalkyl, C6-24 aryl, 3-8-membered heterocyclic ring; Z = H, group to be released upon coupling reaction with an oxidized aromatic primary amine developer].

IT 130840-30-1  
RL: USES (Uses)  
(cyan dye-forming coupler)

RN 130840-30-1 CAPLUS

CN Butanamide, N-[2-chloro-4-[[[(4-chloro-3-cyanophenyl)amino]carbonyl]amino]-5-hydroxyphenyl]-2-(hexadecylsulfonyl)-3-methyl- (CA INDEX NAME)



L26 ANSWER 15 OF 24 CAPLUS COPYRIGHT 2008 ACS on STN

AN 1986:470080 CAPLUS [Full-text](#)

DN 105:70080

OREF 105:11245a,11248a

TI Photosensitive silver halide color photographic material

IN Katoh, Katsumori; Nakagawa, Satoshi

PA Konishiroku Photo Industry Co., Ltd., Japan

SO Eur. Pat. Appl., 10 pp.

CODEN: EPXXDM

DT Patent

LA English

FAN.CNT 1

PATENT NO.	KIND	DATE	APPLICATION NO.	DATE
PI EP 175573	A2	19860326	EP 1985-306620	19850917
EP 175573	A3	19870909		
EP 175573	B1	19900228		
R: DE, FR, GB, IT, NL				
JP 61072245	A	19860414	JP 1984-195233	19840917
JP 03010290	B	19910213		
JP 61075350	A	19860417	JP 1984-198154	19840921
JP 03010291	B	19910213		
US 4609619	A	19860902	US 1985-774892	19850911
CA 1285168	C	19910625	CA 1985-490550	19850912
PRA1 JP 1984-195233	A	19840917		
JP 1984-198154	A	19840921		

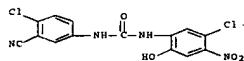
OS CASREACT 105:70080; MARPAT 105:70080

GI



AB A photog. material is described which provides a cyan dye image excellent in dispersion stability and without dye loss even by use of a bleaching bath or a bleach-fixing bath fatigued after running. The material contains the cyan coupler represented by I, II (R = a group sufficient to impart diffusion resistance to the coupler; R2, R3 = H, halo and 21 is halo; R4 = halo; R5 = alkyl, cycloalkyl, alkenyl, aryl; R1 = H or a group eliminable during coupling). Thus, a red-sensitized Ag(Br,I) emulsion (7 mol% of Ag 7) was mixed with an aqueous 5% gelatin solution containing III (dissolved in di-Bu phthalate-EtOAc mixture) at 1 mol/mol Ag and coated on a subbed polyester support. The element was imagewise exposed and processed to give an image with maximum d. 2.15, relative sensitivity 105, and  $\lambda_{max}$  = 691 nm.

IT 103576-29-2P  
 RL: RCT (Reactant); SPN (Synthetic preparation); PREP (Preparation); RACT (Reactant or reagent)  
 (formation and reaction of, in synthesis of cyan coupler for photog.)  
 RN 103576-39-2 CAPLUS  
 CN Urea, N-(4-chloro-3-cyanophenyl)-N'-(5-chloro-2-hydroxy-4-nitrophenyl)-  
 (CA INDEX NAME)



L26 ANSWER 16 OF 24 CAPLUS COPYRIGHT 2008 ACS ON STN

AN 1984:463588 CAPLUS Full-text

DN 101:63588

OREF 101:9703a,9706a

TI Silver halide photosensitive materials for color photography  
 IN Saco, Ryoosuke; Sasaki, Takashi; Kato, Katsunori; Sugita, Hiroshi  
 PA Konishiroku Photo Industry Co., Ltd., Japan

SO Eur. Pat. Appl., 68 pp.

CODEN: EPXXDW

DT Patent

LA English

FAN.CNT 1

PATENT NO.	KIND	DATE	APPLICATION NO.	DATE
EP 105991	A1	19840425	EP 1982-305544	19821018
R: AT, BE, CH, IT, LI, NL, SE				
EP 199164	A1	19861029	EP 1986-104642	19821018
R: AT, BE, CH, IT, LI, NL, SE				
CA 1292137	C	19911119	CA 1982-413879	19821021
EP 1982-305544	P	19821018		

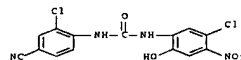
OS CASREACT 101:63588; MARPAT 101:63588

GI For diagram(s), see printed CA Issue.

AB A phenol-type cyan photog. coupler which has a high color development even in the absence of benzyl alc. comprises I (R = H or a group removable upon coupling with an oxidized developer; R1 = CN, CO2R4, COR4, SO2OR4, SO2NR4R5, CONR4R5, NO2, or CF3 where R4 = alkyl or aryl and R5 = H, alkyl, or aryl; R2 = H, OH, halo, NO2, or a monovalent org group; Z = (optional) a nonmetallic group which forms a 5- or 6-membered ring; R3 = ballast group; n = 0-4 and when n > 2 each R2 may be the same or different). Thus, II 0.03 mol was added to a mixture of the same weight of di-Bu phthalate and 3 times the

volume of EtOAc, heated to 60°, mixed with Alkanol B and gelatin, emulsified, added to a Ag(Cl,Br) (20 mol% AgBr) emulsion containing 0.1 mol Ag, and the obtained mixture was coated on a polyethylene-laminated paper support. The obtained element was imagewise exposed, color developed in a composition containing 4-amino-3-methyl-N-ethyl-N-(β-methanesulfonamidoethyl)aniline sulfate 5 g, benzyl alc. 15 mL, Na hexametaphosphate 2.5, Na2SO3 1.85, NaBr 1.4, KBr 0.5, borax 39.1 g, and H2O to 1 L (pH adjusted to 10.3), bleached, and fixed to give an image with a relative sensitivity of 98 and a Dmax of 71 vs. 71 and 1.8 for a sample developed in a developer free of benzyl alc.

IT 94951-07-4  
 RL: USES (Uses)  
 (hydrogenation and reaction of, with pentadecylphenylbutanoyl chloride)  
 RN 84954-07-4 CAPLUS  
 CN Urea, N-(2-chloro-4-cyanophenyl)-N'-(5-chloro-2-hydroxy-4-nitrophenyl)-  
 (CA INDEX NAME)



L26 ANSWER 17 OF 24 CAPLUS COPYRIGHT 2008 ACS ON STN

AN 1984:129806 CAPLUS Full-text

DN 100:129806

OREF 100:19649a,19652a

TI Cyan coupler

PA Konishiroku Photo Industry Co., Ltd., Japan

SO Jpn. Kokai Tokkyo Koho, 9 pp.

CODEN: JKKXAF

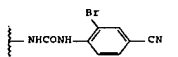
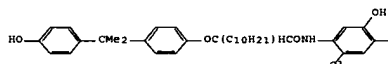
DT Patent

LA Japanese

FAN.CNT 1

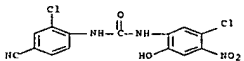
PATENT NO.	KIND	DATE	APPLICATION NO.	DATE
JP 58189633	A	19831105	JP 1983-43686	19830315
JP 02047736	B	19901022		
JP 1983-43686		19830315		

GI



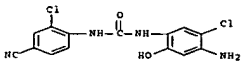
AB The couplers have (1) a substituted or condensed 4-cyanophenylureido group at position 2, (2) H, or a group detachable by coupling reaction at position 4, and (3) a ballasted acylamino group at position 5. Such couplers reduce the loss of cyan dye during processing, even when the processes are speeded up and the solns. are exhausted by running. Thus, cyan coupler I dispersed in a mixture containing di-Bu phthalate, AcOEt, Alkanol B, and gelatin was added to a Ag(Cl,Br) emulsion, coated on a laminated paper, imagewise exposed, and developed with a solution containing 4-amino-3-methyl-N-ethyl-N-(β-methanesulfonamidoethyl)aniline sulfate, with or without benzyl alc., followed by bleach-fixing using Fe/NH4 EDTA complex to give an image with satisfactory sensitivity, optical d., and color purity, in both cases.

IT 84954-07-4P 88936-17-2P  
 RL: RCT (Reactant); PREP (Preparation); RACT (Reactant or reagent)  
 (formation and reaction of, in preparation of photog. cyan coupler)  
 RN 84954-07-4 CAPLUS  
 CN Urea, N-(2-chloro-4-cyanophenyl)-N'-(5-chloro-2-hydroxy-4-nitrophenyl)-  
 (CA INDEX NAME)



RN 88936-17-8 CAPLUS

CN Urea, N-(4-amino-5-chloro-2-hydroxyphenyl)-N'-(2-chloro-4-cyanophenyl)-  
 (CA INDEX NAME)



L26 ANSWER 18 OF 24 CAPLUS COPYRIGHT 2008 ACS ON STN

AN 1984:129805 CAPLUS Full-text

DN 100:129805

OREF 100:19649a,19652a

TI Cyan coupler

PA Konishiroku Photo Industry Co., Ltd., Japan

SO Jpn. Kokai Tokkyo Koho, 10 pp.

CODEN: JKKXAF

DT Patent

LA Japanese

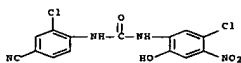
FAN.CNT 1

PATENT NO.	KIND	DATE	APPLICATION NO.	DATE
JP 58189634	A	19831105	JP 1983-43687	19830315
JP 01053774	B	19891115		
JP 1983-43687		19830315		

GI

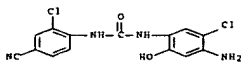
AB The cyan couplers carry (1) a substituted or condensed 4-cyanophenylureido group at position 2, (2) H, or a group detachable by coupling reaction at position 4, and (3) a ballasted acylamino group at position 5. The couplers eliminate the use of benzyl alc. in the developer and yet provide high cyan optical d. Thus, a dispersion containing cyan coupler I and additives was added to a Ag(Cl,Br) emulsion, coated on a laminated paper, imagewise exposed, developed using a developer containing 4-amino-3-methyl-N-ethyl-N-(β-methanesulfonamidoethyl)aniline sulfate with or without benzyl alc. Bleach-fixing contained Fe/NH4 EDTA complex. Satisfactory sensitivity, cyan optical d., and color purity were obtained with both developers.

IT 84954-07-4P 88936-17-8P  
 RL: RCT (Reactant); PREP (Preparation); RACT (Reactant or reagent)  
 (formation and reaction of, in preparation of photog. cyan coupler)  
 RN 84954-07-4 CAPLUS  
 CN Urea, N-(2-chloro-4-cyanophenyl)-N'-(5-chloro-2-hydroxy-4-nitrophenyl)-  
 (CA INDEX NAME)



RN 88936-17-8 CAPLUS

CN Urea, N-(4-amino-5-chloro-2-hydroxyphenyl)-N'-(2-chloro-4-cyanophenyl)-  
 (CA INDEX NAME)



L26 ANSWER 19 OF 24 CAPLUS COPYRIGHT 2008 ACS ON STN

AN 1984:112176 CAPLUS Full-text

DN 100:112176

OREF 100:16929a,16932a

TI Photographic cyan couplers

PA Konishiroku Photo Industry Co., Ltd., Japan

SO Jpn. Kokai Tokkyo Koho, 10 pp.

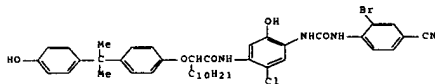
CODEN: JKKXAF

DT Patent

LA Japanese

FAN.CNT 1

PATENT NO.	KIND	DATE	APPLICATION NO.	DATE
P1 JP 58189635	A	19831105	JP 1983-43688	19830315
JP 01053775	B	19891115		
PRA1 JP 1983-43688		19830315		
G1				



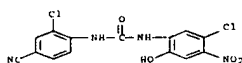
AB Phenol derivative cyan couplers having a substituted or condensed 4-cyanophenylureido moiety at position 2, H or a moiety which can be eliminated by coupling with an oxidation product of color developers at position 4 and a ballasted aminoacyl moiety at position 5 provide high coloring sensitivity and d. and improved stability of the final cyan dye image. Thus, a Ag(Cl,Br) photog. emulsion containing coupler I was wedge exposed and color developed to give a cyan image with high sensitivity and d., and the final image showed high stability against light, heat, and humidity.

IT 84954-07-4B

RL: RCT (Reactant); PREP (Preparation); RACT (Reactant or reagent) (formation and reaction of, with (pentadecylphenoxy)butanoyl chloride)

RN 84954-07-4 CAPLUS

CN Urea, N-(2-chloro-4-cyanophenyl)-N'-(5-chloro-2-hydroxy-4-nitrophenyl)- (CA INDEX NAME)



L26 ANSWER 10 OF 24 CAPLUS COPYRIGHT 2008 ACS on STN

AN 1983135179 CAPLUS [Full-text](#)

DN 98135179

OREF 98120447A, 20450a

TI Silver halide photosensitive materials for color photography

IN Sato, Ryosuke; Kato, Katsunori; Sasaki, Takashi; Sugita, Hiroshi

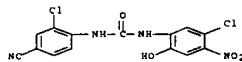
PA Konishiroku Photo Industry Co., Ltd., Japan

SO Eur. Pat. Appl., 68 pp.

CODEN: EPXDXW

DT Patent

LA English



L26 ANSWER 21 OF 24 CAPLUS COPYRIGHT 2008 ACS on STN

AN 1981461816 CAPLUS [Full-text](#)

DN 9561816

OREF 9510427A, 10430a

TI Use of urea derivatives as pharmaceuticals in the treatment of fat

IN Kabbe, Hans Joachim; Klauke, Erich; Krause, Hans Peter; Mardin, Mithat;

Sitt, Ruediger

PA Bayer A.-G., Fed. Rep. Ger.

SO Ger. Offen., 42 pp.

CODEN: GWXWXX

DT Patent

LA German

FAN.CNT 1

PATENT NO.	KIND	DATE	APPLICATION NO.	DATE
P1 DE 2928485	A1	19810129	DE 1979-2928485	19790714
NO 9001965	A	19810115	NO 1980-1965	19800630
NO 151362	B	19841217		
NO 151362	C	19850327		
EP 72958	A1	19810128	EP 1980-103765	19800702
R: AT, BE, CH, DE, FR, GB, IT, NL, SE				
EP 49538	A2	19820414	EP 1981-109562	19800702
EP 49538	A3	19821013		
R: AT, BE, CH, DE, FR, GB, IT, NL, SE				
AU 8060194	A	19810115	AU 1980-60194	19800708
AU 544252	B2	19850523		
DK 8003024	A	19810115	DK 1980-3024	19800711
JP 56016411	A	19810217	JP 1980-94108	19800711
ZA 8004180	A	19810729	ZA 1980-4180	19800711
CA 1157775	A1	19831129	CA 1980-355974	19800711
US 4405644	A	19830920	US 1981-331712	19811217
PRA1 DE 1979-2928485		19790714		
US 1980-164387	A1	19800630		
OS MARPAT 9561816				

AB One hundred thirty-three urea deriva. RR3NC(X)NR1R2 (I) (R, R1 = the same or different H, alkyl, cycloalkyl, aryl, or aralkyl, optionally substituted by halo or alkoxy; R2, R3 = the same or different aryl or heteroaryl, optionally substituted by 1 or more of a wide variety of substituents, e.g., halo, NO2, CN, CO2H, CO2Me, SO2NH2, alkyl, alkoxy, alkylthio, etc.; X = O, S, or NCO), which inhibited fat metabolism and lowered the triglyceride level in blood serum (no data), were prepared by 6 routes. Thus, successive condensation of 4-PC6H4NH2 with ClCO2Ph and 4,3-(F3C)ClC6H3NH2 gave I [R = R1 = H, R2 = 4-PC6H4, R3 = 4,3-(F3C)ClC6H3, X = O].

IT 78015-42-6F

RL: SPN (Synthetic preparation); PREP (Preparation)

(preparation of)

RN 78015-42-6 CAPLUS

CN Urea, N-(3-chloro-2-hydroxy-5-nitrophenyl)-N'-(3-chloro-4-(trifluoromethyl)phenyl)- (CA INDEX NAME)

FAN.CNT 1

PATENT NO.	KIND	DATE	APPLICATION NO.	DATE
P1 EP 67689	A1	19821222	EP 1982-303047	19820611
EP 67689	B1	19860910		
R: DE, FR, GB				
JP 57204543	A	19821215	JP 1981-90334	19810611
JP 59041181	B	19841005		
JP 57204544	A	19821215	JP 1981-90335	19810611
JP 59041182	B	19841005		
JP 57204545	A	19821215	JP 1981-90336	19810611
JP 61038464	B	19860829		
EP 148536	A2	19850717	EP 1984-201945	19820611
EP 148536	A3	19850918		
EP 148536	B1	19890906		
R: DE, FR, GB				
BR 8206597	A	19840619	BR 1982-6597	19821112
US 4451559	A	19840529	US 1983-522818	19830812
US 4465766	A	19840814	US 1983-540719	19831011
US 4772543	A	19880920	US 1983-540720	19831011
US 4554244	A	19851119	US 1984-616652	19840604
US 4929539	A	19900529	US 1988-191224	19880506
PRA1 JP 1981-90334		19810611		
JP 1981-90335	A	19810611		
JP 1981-90336	A	19810611		
US 1982-385096	A1	19820604		
EP 1982-303047	P	19820611		
US 1983-522818	A3	19830812		
US 1983-540719	A1	19831011		
US 1983-540720	A3	19831011		
OS CASREACT 98135179; MARPAT 98135179				

GI For diagram(s), see printed CA issue.

AB A cyan coupler for color photog. comprises I (R = CN, CO2R1, COR1, SO2OR1, aryl; R3 = H, halogen, OH, NO2, monovalent organic group; R4 = H, or a removable group upon coupling reaction of a color developing agent with an oxidized product, Y = non-metallic atom groups capable of forming a 5- or 6-member ring; X = ballast group; n = 0-4). Thus, a polyethylene-laminated paper support was coated with a Ag(Cl, Br) (20 mol% AgBr) emulsion containing II, imagewise exposed, developed 3 min 30 s at 30° in a composition containing 4-amino-3-methyl-N-ethyl-N-(β-methanesulfonamidoethyl)aniline sulfate 5, Na hexametaphosphate 2.5, Na2SO3 1.85, NaBr 1.4, KBr 0.5, borax 39.1 g, benzyl alc. 15 mL, H2O to 1 L (pH 10.3 adjusted with NaOH), bleach-fixed 1 min 3 s in a solution containing ethylenediaminetetraacetate Fe ammonium complex 50 g, (NH4)2SO3 (40% aq) 50, (NH4)2S2O3 (40% aq) 140, 2% aqueous NH3 20 mL, EDTA 4 g, H2O to 1 L, and washed with H2O 2 min to give an image with maximum d. 2.24 and relative sensitivity 100.

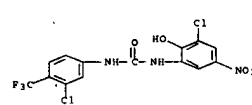
IT 84954-07-4F

RL: RCT (Reactant); SPN (Synthetic preparation); PREP (Preparation); RACT (Reactant or reagent)

(preparation and reaction of, in preparation of photog. cyan coupler)

RN 84954-07-4 CAPLUS

CN Urea, N-(2-chloro-4-cyanophenyl)-N'-(5-chloro-2-hydroxy-4-nitrophenyl)- (CA INDEX NAME)



L26 ANSWER 22 OF 24 CAPLUS COPYRIGHT 2008 ACS on STN

AN 1977462295 CAPLUS [Full-text](#)

DN 8762295

OREF 879803A, 9806a

TI The metabolism and toxicity of halogenated carbanilides. Biliary

metabolites of 3,4,4'-trichlorocarbanilide and 3-trifluoromethyl-4,4'-

dichlorocarbanilide in the rat

AU Jeffcoat, A. Robert; Handy, Robert W.; Francis, Mark T.; Willis, Sara;

Wall, Monroe E.; Birch, C. Grant; Hiles, Richard A.

CS Chem. Life Sci. Div., Res. Triangle Inst., Durham, NC, USA

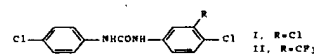
SO Drug Metabolism and Disposition (1977), 5(2), 157-66

CODEN: DMDSAI; ISSN: 0090-9556

DT Journal

LA English

GI



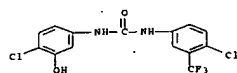
AB In sep. expts., after repeated oral administration of 3,4,4'-trichlorocarbanilide (I) [101-20-2] and 3-trifluoromethyl-4,4'-dichlorocarbanilide (II) [369-77-7] to rats, the biliary metabolites of each were isolated and identified. The major I biliary metabolite was 2'-hydroxy-I [63348-26-5]. This compound was isolated mainly from the nonconjugated and the glucuronide fractions. Other metabolites present in substantial quantities were 6-hydroxy-I [63348-27-6] and 2',6-dihydroxy-I [63348-37-8] mainly as glucuronides and 3'-hydroxy-I [63348-28-7] mainly as the sulfate conjugate. Small amts. of 3',6-dihydroxy-I [63348-29-8] were isolated from each of the fractions. No unchanged I was found in the bile. Only traces of other metabolites were found, and no N-hydroxylated products were observed. The major II biliary metabolite was the glucuronide conjugate of 2'-hydroxy-II [63348-30-1]. The only other metabolite of II was 3'-hydroxy-II [63348-31-2], which was the predominant metabolite in the sulfate-conjugated fraction.

IT 63348-31-2

RL: BIOL (Biological study) (as trifluoromethyl-dichlorocarbanilide metabolites, in bile)

RN 63348-31-2 CAPLUS

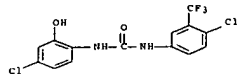
CN Urea, N-(4-chloro-3-hydroxyphenyl)-N'-(4-chloro-3-(trifluoromethyl)phenyl)- (CA INDEX NAME)



IT 63348-32-3P

RI: SPN (Synthetic preparation); PREP (Preparation)  
(preparation of)

RN 63348-32-3 CAPLUS

CN Urea, N-(4-chloro-2-hydroxyphenyl)-N'-(4-chloro-3-(trifluoromethyl)phenyl)-  
(CA INDEX NAME)

L26 ANSWER 23 OF 24 CAPLUS COPYRIGHT 2008 ACS ON STN

AN 1957:90952 CAPLUS [Full-text](#)

DN 51:90952

OREF 51:16533g-1,16534a

TI Heavy metal salts of amides

PA Badische Anilin- &amp; Soda-Fabrik A.-G.

DT Patent

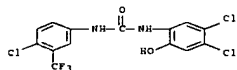
LA Unavailable

FAN.CNT 1

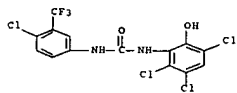
PATENT NO.	KIND	DATE	APPLICATION NO.	DATE
GB 774956		19570515	GB 1955-20366	19550714

AB Salts were prepared by treating a salt of a metal having an atomic number from 26 to 29 with a carboxylic acid amide. Thus, 20 parts of NiBr<sub>2</sub> was dissolved in 40 parts of N-methyl-2-pyrrolidone (I) and the mixture heated to 150°. On cooling, 20 parts of a dark blue solid separated. The mother liquor was covered with 80 parts of ether and an addnl. 18 parts of the same salt separated. The empirical formula was NiBr<sub>2</sub>·3I, m. 105°. Similarly were prepared the following (inorg. salt, amide, molar ratio of the two, yield in % parts from y parts of inorg. salt, and m.p. given): NiBr<sub>2</sub>, HCONMe<sub>2</sub>, 1:3, 2% from 15, 123-6°; NiBr<sub>2</sub>, 2-pyrrolidone, 1:8, 7.5 from 2, 125°; NiBr<sub>2</sub>, 2-pyrrolidone, 1:3, no yield given, 155°; CoBr<sub>2</sub>, 2-pyrrolidone, 1:3, 82 from 32.6 (CoBr<sub>2</sub>·6H<sub>2</sub>O), 125°; FeCl<sub>3</sub>, HCONMe<sub>2</sub>, 1:3, 15 from 10, 68-70°; CuBr<sub>2</sub>, HCONMe<sub>2</sub>, 1:4, 16 from 10, 76-8°; NiCl<sub>2</sub>, I, 1:3, 28 from 20 NiCl<sub>2</sub>·6H<sub>2</sub>O, 79-80°; NiI<sub>2</sub>, HCONMe<sub>2</sub>, 1:5, 16.5 from 10, 88-90°; NiBr<sub>2</sub>, caprolactam, 1:4, 12 from 3.6, 121°; NiBr<sub>2</sub>, AcNMe<sub>2</sub>, 1:3, 31 from 15, 82°; NiBr<sub>2</sub>, AcNPhMe, 1:3, 55 from 21.8, 128°.

IT 1496-10-2P, Carbanilide, 2,3,4',5-tetrachloro-6-hydroxy-3'-(trifluoromethyl)-  
RL: PREP (Preparation)  
(preparation of)



RN 1496-10-2 CAPLUS

CN Carbanilide, 2,3,4',5-tetrachloro-6-hydroxy-3'-(trifluoromethyl)- (6Cl,  
6Cl) (CA INDEX NAME)

=&gt; log hold

COST IN U.S. DOLLARS

FULL ESTIMATED COST

DISCOUNT AMOUNTS (FOR QUALIFYING ACCOUNTS)

CA SUBSCRIBER PRICE

SINCE FILE TOTAL

ENTRY SESSION

140.12 545.13

SINCE FILE TOTAL

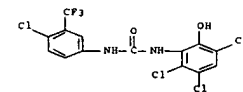
ENTRY SESSION

-20.80 -20.80

SESSION WILL BE HELD FOR 120 MINUTES

STN INTERNATIONAL SESSION SUSPENDED AT 17:02:41 ON 31 JAN 2008

RN 1496-10-2 CAPLUS

CN Carbanilide, 2,3,4',5-tetrachloro-6-hydroxy-3'-(trifluoromethyl)- (6Cl,  
6Cl) (CA INDEX NAME)

L26 ANSWER 24 OF 24 CAPLUS COPYRIGHT 2008 ACS ON STN

AN 1957:90951 CAPLUS [Full-text](#)

DN 51:90951

OREF 51:16533e-g

TI N-Halophenyl-N'-halohydroxyphenylureas and -thiureas

PA J. R. Geigy A.-G.

DT Patent

LA Unavailable

FAN.CNT 1

PATENT NO.	KIND	DATE	APPLICATION NO.	DATE
GB 771333		19570327	GB 1954-36732	19541220

AB Aminohalophenols when condensed with halophenyl isocyanates give urea derivs. having high bactericidal value (Staphylococcus aureus) useful in germicidal soaps. To a soluble 2-amino-4,5-dichlorophenol 18 in acetone 25 is added a solution of 4-chlorophenyl isothiocyanate 17 in acetone 25 parts. After stirring at 35° 3 hr., dilution with H<sub>2</sub>O gives N-(4-chlorophenyl)-N'-(4,5-dichloro-2-hydroxyphenyl)thiurea, m. 146-7° (decomposition). Similar reactions of halophenols with isocyanates, azides, and carbamic acid esters gave N-(3,4-dichlorophenyl)-N'-(4-chloro-2-hydroxyphenyl)urea, m. 201-2°; N-(3,4-dichlorophenyl)-N'-(5-chloro-2-hydroxyphenyl)urea, m. 205-6°; N-(3,4-dichlorophenyl)-N'-(4,5-dichloro-2-hydroxyphenyl)urea, m. 201-2°; N-(3,4-dichlorophenyl)-N'-(4-bromo-2-hydroxyphenyl)urea, m. 198-9°; N-(3,4-dichlorophenyl)-N'-(4-bromo-5-chloro-2-hydroxyphenyl)urea, m. 201-2°; N-(4-chloro-3-trifluoromethylphenyl)-N'-(4,5-dichloro-2-hydroxyphenyl)urea, m. 174-5°; N-(4-chloro-3-trifluoromethylphenyl)-N'-(3,5,6-trichloro-2-hydroxyphenyl)urea, m. 198-9°; N-(2,3,4-trichlorophenyl)-N'-(3,5-dichloro-2-hydroxyphenyl)urea, m. 214-15°; N-(3,4-dichlorophenyl)-N'-(3,4,5-trichloro-2-hydroxyphenyl)urea, m. 210-11°.

IT 635-98-3P, Carbanilide, 4,4',5-trichloro-2-hydroxy-3'-(trifluoromethyl)- 1496-10-2P, Carbanilide, 2,3,4',5-tetrachloro-6-hydroxy-3'-(trifluoromethyl)-  
RL: PREP (Preparation)  
(preparation of)

RN 635-98-3 CAPLUS

CN Urea, N-(4-chloro-3-(trifluoromethyl)phenyl)-N'-(4,5-dichloro-2-hydroxyphenyl)- (CA INDEX NAME)